

CARLO GAVAZZI

CARLO GAVAZZI SPACE SpA

AMS02-PDS

DOC N°: PDS-RP-CGS-009

ISSUE : 1 DATE: 27/05/2008

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INSPECTION REPORT

APPLICABLE DOC. REF.

AMS02-PDS PFM Manufacturing and Inspection Plan PDS-PL-CGS-001
is. 1

PROC. REF.

N.A.

ITEM INSPECTED (Name, P/N, S/N) AMS02-PDS PFM – BOARDS — Inspection Point.

REQUIREMENT SATISFIED

Manufacturing according to aerospace standards

INSPECTION (Action/Results)

DESCRIPTION

Inspection was performed at Carlo Gavazzi Space premises starting on 27 May 2008 and was carried out on the following boards, detail of the inspected boards were below reported:

- 1) AUX DC/DC BOARD ASSY p/n:11-AMS02PDS-740.00 s/n:07-015 / E.
- 2) AUX DC/DC BOARD ASSY p/n:11-AMS02PDS-740.00 s/n:07-016 / E.
- 3) AUX DC/DC BOARD ASSY p/n:11-AMS02PDS-740.00 s/n:07-016 / G.
- 4) AUX DC/DC BOARD ASSY p/n:11-AMS02PDS-740.00 s/n:07-015 / F.
- 5) AUX DC/DC BOARD ASSY p/n: 11-AMS02PDS-740.00 s/n:07-015 / G.

HARDWARE REVIEW

1) AUX DC/DC BOARD ASSY p/n:11-AMS02PDS-740.00 s/n:07-015 / E, Assy:11-AMS02PDS-740.00 rev./, Parts List:11-AMS02PDS-740.02 rev./, Electrical Scheme:11-AMS02PDS-740.03 rev./, Master PCB:SPO-PD-020010-DR-03-CGS rev./.

The following NCR were presented during the inspection:

- NCR-PDS-CGS-C-040(electrical connection missing on pcb), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added wire with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.
- NCR-PDS-CGS-C-042(OVC protection improvement), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added components and wires with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.

The following PLVss (Parts List Variation Sheet) were presented during the inspection:

- 11-AMS02PDS-740.02 rev / - A2 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A12 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A13 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A15 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A16 can be considered closed.

The H/W has been visually inspected and is ok:no damage, visible clean is ok.

Operator	Quality Assurance	C.C.
Signature	E. FRANCINI	C. CINQUEPAOLI
Date	27/05/08	10/06/08

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2) AUX DC/DC BOARD ASSY p/n:11-AMS02PDS-740.00 s/n:07-016 / E, Assy:11-AMS02PDS-740.00 rev./, Parts List:11-AMS02PDS-740.02 rev./, Electrical Scheme:11-AMS02PDS-740.03 rev./, Master PCB:SPO-PD-020010-DR-03-CGS rev./.

The following NCR were presented during the inspection:

- NCR-PDS-CGS-C-040(electrical connection missing on pcb), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added wire with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.
- NCR-PDS-CGS-C-042(OVC protection improvement), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added components and wires with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.

The following PLVSs (Parts List Variation Sheet) were presented during the inspection:

- 11-AMS02PDS-740.02 rev / - A2 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A11 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A13 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A15 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A16 can be considered closed.

The H/W has been visually inspected and is ok: no damage, visible clean is ok.

3) AUX DC/DC BOARD ASSY p/n:11-AMS02PDS-740.00 s/n:07-016 / G, Assy:11-AMS02PDS-740.00 rev./, Parts List:11-AMS02PDS-740.02 rev./, Electrical Scheme:11-AMS02PDS-740.03 rev./, Master PCB:SPO-PD-020010-DR-03-CGS rev./.

The following NCR were presented during the inspection:

- NCR-PDS-CGS-C-040(electrical connection missing on pcb), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added wire with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.
- NCR-PDS-CGS-C-042(OVC protection improvement), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added components and wires with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.

Operator

Quality Assurance

C.C.

Signature

Date

E. FRANCINI

27/05/08

C. CINQUEPACCHI

C. CINQUEPACCHI

10/06/08

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INSPECTION (Action/Results)

The following PLVSS (Parts List Variation Sheet) were presented during the inspection:

- 11-AMS02PDS-740.02 rev / - A2 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A10 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A13 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A15 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A16 can be considered closed.

The H/W has been visually inspected and is ok: no damage, visible clean is ok.

4) AUX DC/DC BOARD ASSY p/n: 11-AMS02PDS-740.00 s/n: 07-015 / F, Assy: 11-AMS02PDS-740.00 rev./, Parts List: 11-AMS02PDS-740.02 rev./, Electrical Scheme: 11-AMS02PDS-740.03 rev./, Master PCB: SPO-PD-020010-DR-03-CGS rev./.

The following NCR were presented during the inspection:


- NCR-PDS-CGS-C-040 (electrical connection missing on pcb), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added wire with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.
- NCR-PDS-CGS-C-042 (OVC protection improvement), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added components and wires with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.

The following PLVSS (Parts List Variation Sheet) were presented during the inspection:

- 11-AMS02PDS-740.02 rev / - A2 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A3 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A13 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A15 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A16 can be considered closed.

The H/W has been visually inspected and is ok: no damage, visible clean is ok.

Operator	Quality Assurance	C.C.
Signature	E. FRANCINI	C. CINQUEPALMI
Date	27/05/08	e - copper 10/06/08

 <p>CARLO GAVAZZI</p> <p>CARLO GAVAZZI SPACE SpA</p>	<p>AMS02-PDS</p>	<p>DOC N°: PDS-RP-CGS-009</p> <p>ISSUE : 1 DATE: 27/05/2008</p> <p>PAGE : 4 of 4</p>
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INSPECTION (Action/Results)

5) AUX DC/DC BOARD ASSY p/n:11-AMS02PDS-740.00 s/n:07-015 / G, Assy:11-AMS02PDS-740.00 rev./, Parts List:11-AMS02PDS-740.02 rev./, Electrical Scheme:11-AMS02PDS-740.03 rev./, Master PCB:SPO-PD-020010-DR-03-CGS rev./.

The following NCR were presented during the inspection:

- NCR-PDS-CGS-C-040(electrical connection missing on pcb), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added wire with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.
- NCR-PDS-CGS-C-042(OVC protection improvement), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added components and wires with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.

The following PLVSS (Parts List Variation Sheet) were presented during the inspection:

- 11-AMS02PDS-740.02 rev / - A2 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A4 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A13 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A15 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A16 can be considered closed.

The H/W has been visually inspected and is ok:no damage, visible clean is ok.

CONCLUSION

All solder joints are of adequate quality, the soldering process complies to ECSS-Q-70-08 and ECSS-Q-70-38, all modifications are performed according to ECSS-Q-70-28.

The open points are here listed:

- 1) NCR-PDS-CGS-C-040(electrical connection missing on pcb), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added wire with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.
- 2) NCR-PDS-CGS-C-042(OVC protection improvement), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added components and wires with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.

Operator	Quality Assurance	C.C.
Signature	E. FRANCONI	C. CINQUEPANI
Date	27/05/08	c. cinqueni
		10/06/08